

### AMENDMENTS TO THE CLAIMS

1 (Currently amended). An interface for association with an electrode structure associated with a sensor adapted to monitor a surface tissue temperature condition of tissue heated by the electrode, which, the electrode, in use, is being deployed in contact with a tissue region, the interface comprising

~~a sensor associated with the electrode structure to monitor a surface tissue temperature condition of tissue heated by the electrode,~~

an input adapted to be attached to the sensor,

a display screen, and

an operating system to generate concurrently viewable images on the display screen, the viewable images comprising an idealized image of the electrode structure and a second image that displays changes in the monitored surface tissue temperature over time.

2 (Previously added). An interface as in claim 1

wherein the second image comprises a numeric display of surface tissue temperature magnitude.

3 (Previously added). An interface as in claim 1

wherein the second image comprises a color display that varies according to relation of the surface tissue temperature condition to prescribed criteria.

4 (Currently amended). An interface as in claim 1, further comprising

a data output ~~to process~~ to process the monitored surface temperature condition as data for storage or manipulation.

5 (Previously added). An interface as in claim 4

wherein the data output communicates with a storage medium to save the data.

6 (Previously added). An interface as in claim 4

wherein the data output communicates with a printer to print the data.

7 (Previously added). An interface as in claim 1

wherein the viewable images on the display screen include an animated image.